



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1445 N. Orchard • Boise, Idaho 83706 • (208) 373-0550

Dirk Kempthorne, Governor  
Toni Hardesty, Director

July 18, 2005

**CERTIFIED RETURN RECEIPT #7099 3220 0009 1975 8173**

Mr. Nathan E. Rowland  
Chief, Environmental Flight  
1030 Liberator Street  
Mountain Home Air Force Base, Idaho 83648

**RE: Mountain Home Air Force Base  
Wastewater Land Application Permit No. LA-000154-02  
Minor Modification, Appendix "A"**

Dear Mr. Rowland:

We are issuing a minor modification to the above referenced Wastewater-Land Application permit for the Mountain Home Air Force Base. The enclosed document is your official copy of the permit modification.

This permit modification, designated as Appendix "A", is an official part of your permit LA-000154-02. It is mandatory that this document be attached to the permit for the permit to be complete and official.

The effective date of Appendix "A" is July 18, 2005 and expires at the same expiration date for permit LA-000154-02. If you have any questions or need further information, please call me at (208) 373-0252.

Sincerely,

Charles W. Ariss, P.E.  
Regional Engineering Manager

10/1/05  
b7c

JUL 18 2005

Department of  
State of Idaho

Enclosure: Appendix "A" to Permit No. LA-000154-02

cc: Tom Kendall, CEV, MHAFB  
Richard Huddleston, State Water Quality Office  
Paul Wakagawa, P.E., DEQ Boise Office  
WLAP SO file LA-000154-02  
BRO file 17.1, attach to final permit, Reading File

**MODIFICATION OF LAND APPLICATION PERMIT  
APPENDIX "A" TO PERMIT NO. LA-000154-02**

**Permittee Name:** United States Air Force, Mountain Home Air Force Base

**Effective Date:** July 18, 2005

**Complete Description of Modification**

1. Replace two (2) ground water monitoring wells as follows:

<b>Environmental Serial No.</b>	<b>Replacement Monitoring Well Designation</b>	<b>Previous Monitoring Well Designation</b>
GW-105401	MW-29	BPW-5
GW-105403	MW-34	BPW-9

The replacement ground water monitoring wells shall be monitored as specified in Section C. Monitoring Requirements.

References to BPW-5 are replaced by MW-29 and references to BPW-9 are replaced by MW-34 in permit LA-000154-02.

2. New environmental serial number for the golf course hydraulic management unit:

<b>Environmental Serial No.</b>	<b>Description</b>	<b>Acres</b>	<b>Associated Soil Management Unit</b>
MU-015417	Golf Course reuse area	100.8	SU-015401

3. New environmental serial number for the golf course soil monitoring unit:

<b>Environmental Serial No.</b>	<b>Description</b>	<b>Acres</b>	<b>Associated Soil Management Unit</b>
SU-015401	Golf Course reuse area	100.8	MU-015417

This soil monitoring unit shall be monitored as specified in Section G. Monitoring Requirements.

4. Replace Section F. Permit Limits and Conditions, Item no. 2, page 9 as follows:

2. **WWTP Grounds Irrigation:**

Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University of Idaho web site:

<http://www.kimberly.uidaho.edu/water/appndxet/index.shtml>

IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency.

In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the DEQ 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates throughout the season.

**Golf Course Irrigation with Effluent:**

The golf course irrigation system will utilize the following irrigation control system to comply with the growing season hydraulic limit:

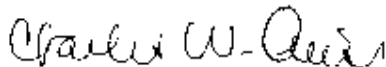
**Toro T.Weather with the WeatherLogic program**

Tracking of effluent and irrigation water use on the golf course shall be monitored as specified in Section G. Monitoring Requirements.

The golf course sprinkler system, when using effluent at any percentage, will be shut down in areas where the edge of the sprinkled area is less than 300 foot to homes when the short-term average wind speed is 15 miles per hour or greater.

The modification described above and referred to as Appendix "A" is hereby approved. This appendix to the permit is incorporated into and constitutes a part of Permit No. LA-000154-02. This appendix must be attached to the permit. The permit is incomplete and unlawful under the Wastewater-Land Application Permit Regulations without this appendix attached.

Signed,



**CHARLES W. ARISS, P.E.  
ENGINEERING MANAGER, BOISE REGIONAL OFFICE  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

7/18/05

**DATE**